

Art Unit: 2800

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1. Connection device for coupling first telecommunication means capable of receiving a first telecommunication signal in a first frequency range, together with second telecommunication means capable of transmitting a second telecommunication signal in a second frequency range, to a single telecommunication network connection, comprising an output for the first telecommunication means, an input for the second telecommunication means, a common network connection for the telecommunication network and separation means adapted to directing the first telecommunication signal over a first signal path between the output and the common network connection and the second telecommunication signal over a second signal path between the common network connection and the input characterized in that said signal paths are separated from each other between the separation means and the input and output respectively and in that the first signal path comprises rectifier means capable of suppressing signal transport in a direction opposite to that of the first telecommunication signal.

2. Connection device as claimed in claim 1, characterized in that the rectifier means comprise an operational amplifier.

--3. (Amended) Connection device as claimed in claim 1, characterized in that the separation means comprise frequency filter means adapted to directing both telecommunication signals over their respective signal paths.--

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4. Connection device as claimed in claim 3, characterized in that the frequency filter means comprise a low-pass filter with an edge frequency above a lower one of said first and second frequency range, as well as a high-pass filter with an edge frequency below a higher one of said first and second frequency range, while the edge frequency of the high-pass filter exceeds the edge frequency of the low-pass filter.

--5. (Amended) Connection device as claimed in claim 1, characterized in that the second telecommunication means are moreover capable of receiving a first telecommunication signal in a first frequency range and in that the device comprises at least one further output being intended for the second telecommunication means.--

6. Connection device as claimed in claim 5, characterized in that attenuation means are connected between said outputs of said connection device.

7. Connection device as claimed in claim 6, characterized in that the attenuation means comprise at least one directional coupler.

--8. (Amended) Connection device as claimed in claim 5, characterized in that at least the output for the second telecommunication means is electrically insulated for a direct current.--

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9. Telecommunication system comprising first telecommunication means capable of receiving a first telecommunication signal in a first frequency range, second telecommunication means capable of transmitting a second telecommunication signal in a second frequency range, and a telecommunication network, characterized in that the telecommunication system comprises a connection device as claimed in one or more of the preceding claims connecting the first and second telecommunication means to said network.

10. Telecommunication system as claimed in claim 9, characterized in that the telecommunication network comprises a cable television network intended for the distribution of radio and/or television programmes and in that the first telecommunication means comprise a radio receiver and/or a television receiver.

--11. (Amended) Telecommunication system as claimed in claim 9, characterized in that the system moreover comprises digital third communication means, in that the second telecommunication means comprise signal conversion means which are coupled to an input and an output of the connection device on the one hand and to said third telecommunication means on the other hand and in that the conversion means are capable of converting digital signals from the third telecommunication means into a communication signal compatible with the telecommunication network, and vice versa.--

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12. Telecommunication system as claimed in claim 11, characterized in that is comprises a gateway unit connecting the third telecommunication means to the conversion means and in that the gateway unit comprises an interface adapted to the specific type of third telecommunication means.

13. Telecommunication system as claimed in claim 12, characterized in that the gateway unit is adapted to connecting third telecommunication means taken from a group of a computer, means for analog or digital telephony and means for communication over a standard RS 232 serial port.

--14. (Amended) Telecommunication system as claimed in claim 12, characterized in that the gateway unit is adapted to communicating with the conversion means using a telecommunication protocol which allows the integration of different telecommunication services.--

--15. (Amended) Telecommunication system as claimed in claim 11, characterized in that the third telecommunication means are coupled to a digital further telecommunication network, which further network is coupled to the input and output of the connection device via said conversion means.--

16. Telecommunication system as claimed in claim 15, characterized in that the further network supports an integration of several telecommunication services.

17. Telecommunication system as claimed in claim 16, characterized in that said further network supports data traffic as well as telephony.